



PATENT  
Docket No.: 19603/3355 (CRF D-1595E)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Barany et al. ) Examiner: P. Ponnaluri  
Serial No. : 09/963,698 )  
Cnfrm. No. : 2018 ) Art Unit: 1639  
Filed : September 26, 2001 )  
For : DETECTION OF NUCLEIC ACID SEQUENCE )  
DIFFERENCES USING THE LIGASE )  
DETECTION REACTION WITH )  
ADDRESSABLE ARRAYS )

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.97-1.98

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Pursuant to 37 C.F.R. § 1.98(a)(2)(ii), copies of the cited U.S. Patents (i.e., Reference Cite Nos. 1 -19) are not enclosed. Copies of all other listed references (i.e., Reference Cite Nos. 20-68) are enclosed herewith

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Respectfully submitted,

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Wendy L. Barry

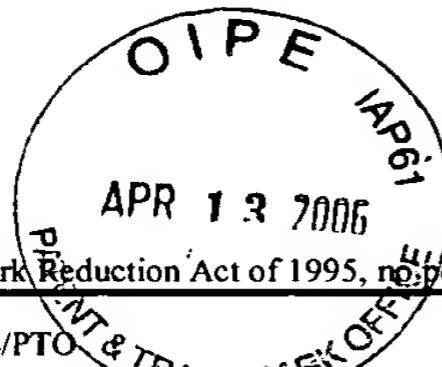
<p>Substitute for form 1449A PTO APR 13 2001 U.S. PATENT &amp; TRADEMARK OFFICE <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)</p>				<b>Complete if Known</b>			
				Application Number		09/963,698	
				Filing Date		September 26, 2001	
				First Named Inventor		Barany et al.	
				Art Unit		1639	
				Examiner Name		P. Ponnaluri	
Sheet	1	of	1	Attorney Docket Number	19603/3355 (CRF D-1595E)		
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		Number - Kind Code <sup>2</sup> (if known)					
1	US-5,035,996	07-30-1991	Hartley				
2	US-5,104,792	04-14-1992	Silver et al.				
3	US-5,314,809	05-24-1994	Erlich et al.				
4	US-5,407,798	04-18-1995	Martinelli et al.				
5	US-5,418,149	05-13-1995	Gelfand et al.				
6	US-5,512,441	04-30-1996	Ronai				
7	US-5,536,649	07-16-1996	Fraiser et al.				
8	US-5,593,840	01-14-1997	Bhatnagar et al.				
9	US-5,731,171	03-24-1998	Bohlander				
10	US-5,800,984	09-01-1998	Vary				
11	US-5,868,136	02-09-1999	Fox et al.				
12	US-5,876,924	03-02-1999	Zhang et al.				
13	US-5,912,148	06-15-1999	Eggerding				
14	US-5,932,711	08-03-1999	Boles et al.				
15	US-5,942,391	08-24-1999	Zhang et al.				
16	US-6,156,501	12-05-2000	McGall et al.				
17	US-6,569,647	05-27-2003	Zhang et al.				
18	US-2003/0175750 A1	09-18-2003	Barany et al.				
19	US-6,852,487	02-08-2005	Barany et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)					
20	EP 0 357 011 A2	08-30-1989	Laffler et al.				
21	EP 0 387 696 A2	03-08-1990	McMahan et al.				
22	EP 0 624 643 A2	11-17-1994	Fraiser et al.				
23	EP 0 628 640 A1	12-14-1994	Walker et al.				
24	WO 95/35390	12-28-1995	Zhang				
25	WO 96/06190	02-29-1996	Eggerding				
26	WO 97/31256	08-28-1997	Barany et al.				
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>	
	27	"Nucleic Acid Hybridisation: A Practical Approach," B.D. Hames & S.J. Higgins eds., IRL Press, Oxford, Washington D.C., pp. 5-7 (1985)					
Examiner Signature		Date Considered					

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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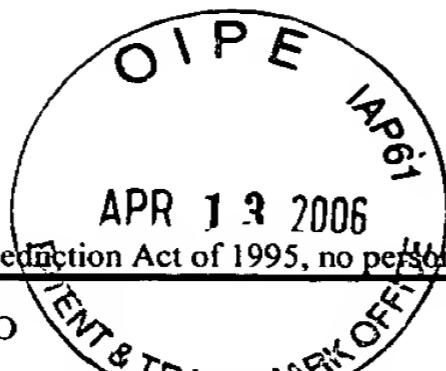
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	28	“Acrylamide” <i>Wikipedia Encyclopedia</i> , Retrieved from the internet at <a href="http://en.wikipedia.org/wiki/Acrylamide">http://en.wikipedia.org/wiki/Acrylamide</a> on September 15, 2005					
	29	BLANCALANA et al., “Moderate Instability of the Trinucleotide Repeat in Spino Bulbar Muscular Atrophy,” <i>Hum. Mol. Genet.</i> 1(4):255-258 (1992)					
	30	BRONNER et al., “Mutation in the DNA Mismatch Repair Gene Homologue <i>hMLH1</i> is Associated with Hereditary Non-Polyposis Colon Cancer,” <i>Nature</i> 368:258-261 (1994)					
	31	CAIRNS et al., “Homozygous Deletions of 9p21 in Primary Human Bladder Tumors Detected by Comparative Multiple Polymerase Chain Reaction,” <i>Cancer Res.</i> 54:1422-1424 (1994)					
	32	CAWKWELL et al., “Frequency of Allele Loss of <i>DCC</i> , <i>p53</i> , <i>RBI</i> , <i>WT1</i> , <i>NF1</i> , <i>NM23</i> , and <i>PC/MCC</i> in Colorectal Cancer Assayed by Fluorescent Multiplex of Polymerase Chain Reaction,” <i>Br. J. Cancer</i> 70(5):813-818 (1994)					
	33	CELI et al., “A Rapid and Versatile Method to Synthesize Internal Standards for Competitive PCR,” <i>Nucleic Acids Research</i> 21(4):1047 (1993)					
	34	CHUNG et al., “Evidence for a Mechanism Predisposing to Intergenerational CAG Repeat Instability in Spinocerebellar Ataxia Type I,” <i>Nat. Genet.</i> 5:254-258 (1993)					
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	37	GONZALEZ-ZULUETA et al., “Microsatellite Instability in Bladder Cancer,” <i>Cancer Res.</i> 53:5620-5623 (1993)					
	38	HAN et al., “Genetic Instability in Pancreatic Cancer and Poorly Differentiated Type of Gastric Cancer,” <i>Cancer Res.</i> 53:5087-5089 (1993)					
	39	HSUIH et al., “Novel, Ligation-Dependent PCR Assay for Detection of Hepatitis C Virus in Serum,” <i>J. Clin. Microbiol.</i> 34(3):501-507 (1996)					
	40	IMBERT et al., “Origin of the Expansion Mutation in Myotonic Dystrophy,” <i>Nat. Genet.</i> 4:72-76 (1993)					
	41	IONOV et al., “Ubiquitous Somatic Mutations in Simple Repeated Sequences Reveal a New Mechanism for Colonic Carcinogenesis,” <i>Nature</i> 363:558-561 (1993)					
Examiner Signature				Date Considered			

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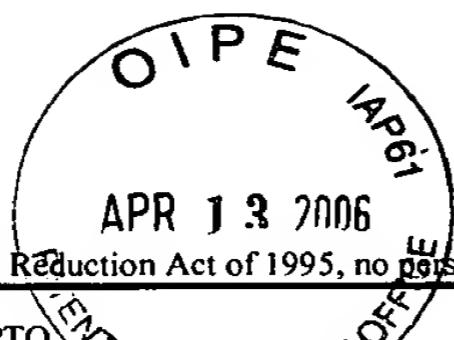
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	42	KOIDE et al., "Unstable Expansion of CAG Repeat in Hereditary Dentatorubral-Pallidoluysian Atrophy (DRPLA)," <i>Nat. Genet.</i> 6:9-13 (1994)			
	43	KREMER et al., "Mapping of DNA Instability at the Fragile X to a Trinucleotide Repeat Sequence p(CCG)n," <i>Science</i> 22:1711-1714 (1991)			
	44	LEACH et al., "Mutations of a <i>mutS</i> Homolog in Hereditary Nonpolyposis Colorectal Cancer," <i>Cell</i> 75:1215-1225 (1993)			
	45	MAO et al., "Microsatellite Alterations As Clonal Markers for the Detection of Human Cancer," <i>Proc. Natl. Acad. Sci. USA</i> 91:9871-9875 (1994)			
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	47	MERLO et al., "Frequent Microsatellite Instability in Primary Small Cell Lung Cancer," <i>Cancer Res.</i> 54:2098-2101 (1994)			
	48	NAWROZ et al., "Allelotype of Head and Neck Squamous Cell Carcinoma," <i>Cancer Res.</i> 54:1152-1155 (1994)			
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	50	NILSSON et al., "Padlock Probes: Circularizing Oligonucleotides for Localized DNA Detection," <i>Science</i> 265:2085-2088 (1994)			
	51	ORR et al., "Expansion of an Unstable Trinucleotide CAG Repeat in Spinocerebellar Ataxia Type 1," <i>Nat. Genet.</i> 4:221-226 (1993)			
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	55	PELTOMÄKI et al., "Microsatellite Instability is Associated with Tumors That Characterize the Hereditary Non-Polyposis Colorectal Carcinoma Syndrome," <i>Cancer Res.</i> 53:5853-5855 (1993)			
	56	RADFORD et al., "Allelotyping of Ductal Carcinoma <i>in Situ</i> of the Breast: Deletion of Loci on 8p, 13q, 16q, 17p and 171," <i>Cancer Res.</i> 55:3399-3406 (1995)			
	57	RISINGER et al., "Genetic Instability of Microsatellites in Endometrial Carcinoma," <i>Cancer Res.</i> 53:5100-5103 (1993)			
	58	RUPPERT et al., "Evidence for Two Bladder Cancer Suppressor Loci on Human Chromosome 9," <i>Cancer Res.</i> 53:5093-5095 (1993)			
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	67	ZIRVI et al., "Improved Fidelity of Thermostable Ligases for Detection of Microsatellite Repeat Sequences Using Nucleoside Analogs," <i>Nucleic Acids Res.</i> 27(24):e41 (1999)			
	68	ZIRVI et al., "Ligase-Based Detection of Mononucleotide Repeat Sequences," <i>Nucleic Acids Res.</i> 27(24):e40 (1999)			
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